**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Previously Presented) An Application Gateway Module suitable for use in a telecommunication system wherein a service network authenticates a user and authorizes the user for accessing a service offered by a service provider, the Application Gateway Module arranged for intercepting application messages between the user and the service and for identifying said user and said service, and including:

means for obtaining an authorization decision on whether the user is allowed to access the service;

the Application Gateway Module comprising:

means for assigning a service session identifier intended to identify those application messages exchanged between the user and the service and that belong to a same service delivery authorized for said user;

means for configuring a first finite-state machine with a number of statuses intended to identify specific events in service delivery, the first finite state machine configured to control service progression

means for initiating a specific instance of the first finite-state machine, said specific instance being identified by the assigned service session identifier; and

means for activating service policies applicable to said specific events and resulting in a state transition in the specific instance identified by the assigned service session identifier.

2. (Canceled)

3. (Previously Presented) The Application Gateway Module of claim 1, wherein the means for activating service policies include means for setting at least one element selected from a non-exhaustive list of references and attributes that comprises:

a number of message field values to match, a number of specific actions to carry out on matching, a number of timer values to run, and a number of transactions to supervise.

4. (Previously Presented) The Application Gateway Module of claim 1, wherein the means for activating service policies include means for activating a global service policy independently of any service delivery in progress.

5. (Previously Presented) The Application Gateway Module of claim 1, wherein the means for activating service policies include means for initiating an instance of a global service policy to apply as an individual service policy within a specific instance of the first finite-state machine, the individual service policy inheriting references and attributes from the global service policy.

6. (Previously Presented) The Application Gateway Module of claim 5, further comprising means for overwriting references and attributes of an individual service policy with new references and attributes during a service progression handled within a specific instance of the first finite- state machine.

7. (Previously Presented) The Application Gateway Module of claim 5, wherein a particular state is associated with a number of individual service policies within a specific instance of the first finite-state machine, said instance identified by a given service session identifier.

8. (Previously Presented) The Application Gateway Module of claim 1, wherein the means for obtaining an authorization decision include means for requesting a service authorization from an Authorization Module.

9. (Previously Presented) The Application Gateway Module of claim 8, wherein the means for activating service policies include means for receiving from the

Authorization Module at least one element applicable to set a service policy, the element selected from a non-exhaustive list of references and attributes that comprises: a number of message field values to match, a number of specific actions to carry out on matching, a number of timer values to run, and a number of transactions to supervise.

10. (Previously Presented) The Application Gateway Module of claim 8, wherein the means for activating service policies includes means for receiving a global service policy from the Authorization Module.

11. (Previously Presented) The Application Gateway Module of claim 8, further comprising means for receiving references and attributes from the Authorization Module applicable to overwrite an individual service policy with new references and attributes during a service progression handled within a specific instance of the first finite-state machine.

12. (Previously Presented) The Application Gateway Module of claim 8, further comprising means for notifying to the Authorization Module a specific event in service progression.

13. (Previously Presented) The Application Gateway Module of claim 8, further comprising means for requesting from the Authorization Module a further processing to determine an appropriate action to go on with the service progression.

14. (Previously Presented) The Application Gateway Module of claim 13, further comprising means for receiving from the Authorization Module an instruction selected from: access granted without restriction, another service to substitute a previous service requested, forced logout, and indication of a state transition.

15. (Previously Presented) An Authorization Module suitable for use in a telecommunication system wherein a service network authenticates a user and

authorizes the user for accessing a service offered by a service provider, the Authorization Module arranged for deciding whether a user is allowed to access a service and having:

means for receiving a service authorization request from an Application Gateway Module; and

means for returning to the Application Gateway Module a response on whether the user is granted access to the requested service;

the Authorization Module comprising :

means for generating a service session identifier intended to correlate those application messages exchanged between the user and the service and that belong to a same service delivery authorized for said user;

means for configuring a second finite-state machine with a number of statuses intended to identify specific events in service progression, the second finite-state machine usable by the Authorization Module to act over the Application Gateway Module to control the service progression;

means for initiating a specific instance of the second finite-state machine, said specific instance being identified by said service session identifier; and

means for determining service policies applicable to said specific events and resulting in a state transition in the specific instance identified by the assigned service session identifier.

16. (Previously Presented) The Authorization Module of claim 15, wherein the means for generating a service session identifier comprise means for including said service session identifier in the response to be returned to the Application Gateway Module on whether the user is granted access to the requested service.

17. (Canceled)

18. (Previously Presented) The Authorization Module of claim 15, wherein a particular state is associated with a number of service policies within a specific instance

of the second finite- state machine, said instance identified by a given service session identifier.

19. (Previously Presented) The Authorization Module of claim 15, wherein the means for determining service policies comprise means for including in the response towards the Application Gateway Module at least one information element to activate a service policy within a specific state in the Application Gateway Module, said at least one information element selected from a non-exhaustive list of references and attributes that comprises:

- a number of message field values to match;
- a set of actions to carry out on matching a given message field value ;
- a number of new timer values to run; and
- a number of transactions to supervise.

20. (Previously Presented) The Authorization Module of claim 19, wherein the means for including in the response towards the Application Gateway Module at least one information element to activate a service policy include means for indicating that this is a global service policy to apply independently of any service delivery in progress.

21. (Previously Presented) The Authorization Module of claim 16, further comprising means for receiving a notification, from an Application Gateway Module, indicating a specific event detected in service progression.

22. (Previously Presented) The Authorization Module of claim 16, further comprising means for receiving a request, from an Application Gateway Module, asking for an instruction to proceed with a service progression.

23. (Previously Presented) The Authorization Module of claim 22, further comprising means for sending towards the Application Gateway Module an instruction selected from: access granted without restriction, another service to substitute a

previous service requested, forced logout, and indication of a state transition.

24. (Previously Presented) The Authorization Module of claim 16, further comprising means for receiving an application message from at least one entity selected from a number of application servers and provisioning systems, the application message including a given service session identifier intended to identify a specific instance of the second finite-state machine in the Authorization Module.

25. (Previously Presented) A method for authorizing a user of a service network to access a service offered by a service server of a service provider, the user already authenticated by the service network, the server arranged to deliver a service that comprises a plurality of transactions by exchanging a plurality of application messages with the user, the method comprising the steps of:

obtaining a first authorization decision on whether the user is allowed to access the service;

generating and assigning a service session identifier intended to identify those application messages exchanged between the user and the service and that belong to a same service delivery authorized for said user;

configuring at least one finite-state machine with a number of statuses intended to identify specific events in service delivery, the finite-state machine usable for controlling service progression

initiating a specific instance of the at least one finite-state machine, said specific instance being identified by the assigned service session identifier; and

activating service policies applicable to said specific events and resulting in a state transition in the specific instance identified by the assigned service session identifier.

26. (Canceled)

27. (Previously Presented) The method of claim 25, wherein a particular state

within the specific instance of the at least one finite-state machine is associated with a number of service policies.

28. (Previously Presented) The method of claim 25, wherein the step of activating service policies includes a step of setting at least one element selected from a non-exhaustive list of references and attributes that comprises: a number of message field values to match, a number of specific actions to carry out on matching, a number of timer values to run, and a number of transactions to supervise.

29. (Previously Presented) The method of claim 25, further comprising a step of receiving at the service network an application message originated at an entity selected from: a number of service servers of a service provider and a number of entities of a provisioning system, the application message including a given service session identifier intended to identify a specific instance of the at least one finite-state machine.

30. (Previously Presented) The method of claim 25, wherein the step of configuring at least one finite-state machine further comprises configuring a first finite-state machine in an Application Gateway Module and configuring a second finite-state machine in an Authorization Module.

31. (Previously Presented) An Application Gateway Module suitable for use in a telecommunication system wherein a service network authenticates a user and authorizes the user for accessing a service offered by a service provider, the Application Gateway Module arranged for intercepting application messages between the user and the service and for identifying said user and said service, the Application Gateway Module comprising:

means for obtaining an authorization decision on whether the user is allowed to access the service;

means for assigning a service session identifier intended to identify those application messages exchanged between the user and the service and that belong to a same service delivery authorized for said user;

means for configuring a first finite-state machine with a number of statuses intended to identify specific events in service delivery, the first finite state machine configured to control service progression from a null state, a service authorization state, an active service state, and a disconnect service state; and

means for activating service policies applicable to said specific events and resulting in a state transition in the first finite-state machine, the activating means further comprising:

means for statically arming at least one of the service policies before arrival of a first message to invoke the service; and

means for dynamically arming at least one of the service policies during the progression of the service.

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